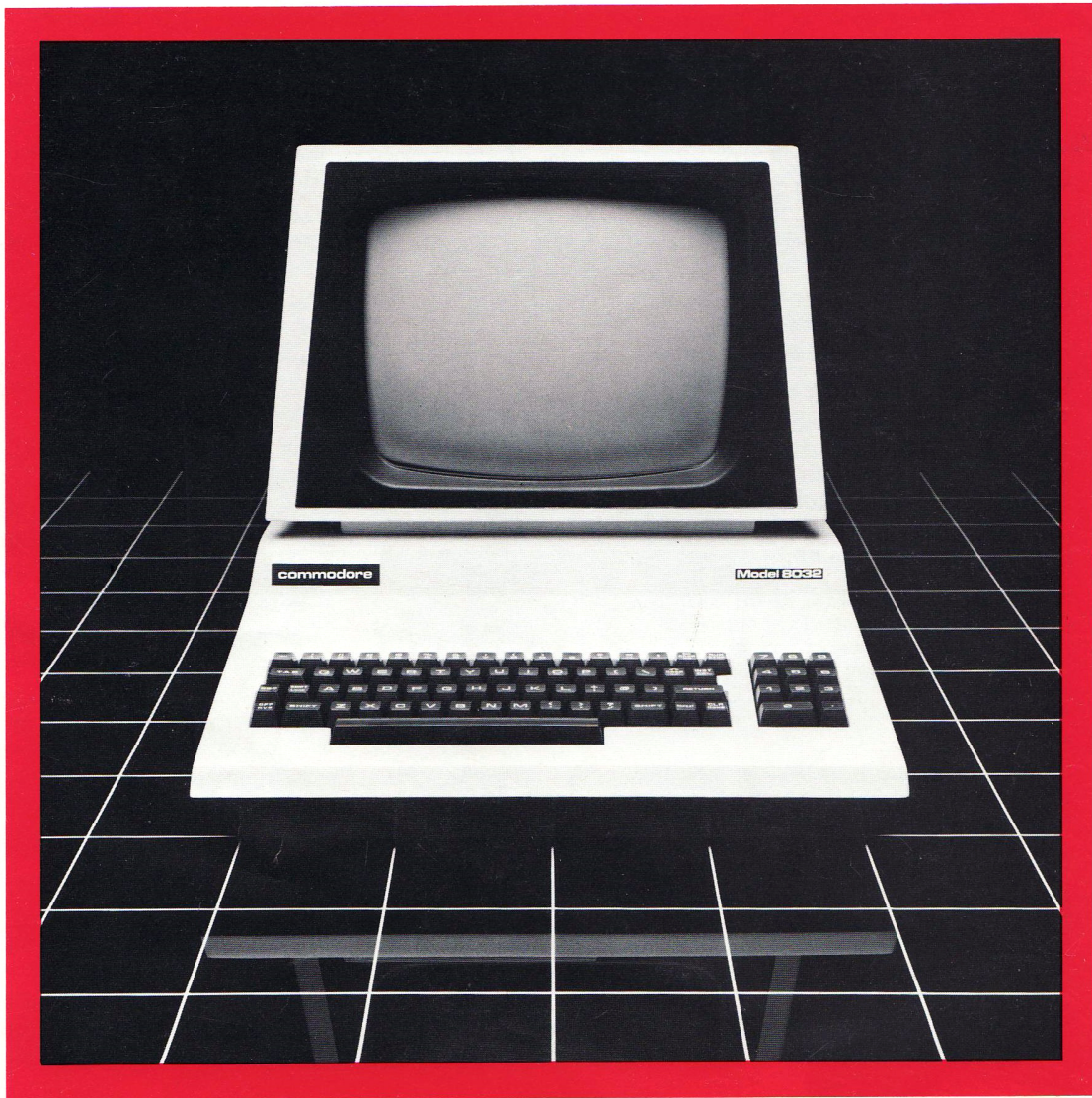


CBM™

8000 SERIES
BUSINESS COMPUTERS



 **commodore**

CBM™ 8000 SERIES BUSINESS COMPUTERS

BASIC COMMANDS

Command	Description
APPEND	Writes additional data to the end of a sequential disk file on the CBM Dual Disk Drive with DOS 2.0 or later versions.
BACKUP	Duplicates the entire contents of a disk on another diskette on the CBM Dual Disk Drive with DOS 2.0 or later versions.
CLOSE	Concludes I/O to a channel.
CLR	Sets all numeric variables to zero, sets all string variables to null, resets the end of memory and the amount of stack space, and frees all array space.
CMD	Addresses an IEEE bus device and leaves it addressed and listening.
COLLECT	Frees up space allotted to improperly closed files on disk and deletes their references from the directory.
CONCAT	Concatenates one sequential file to another sequential file with DOS 2.0 or later versions.
CONT	Continues program execution after the stop key has been typed, or a STOP or END statement has been executed.
COPY	Makes a copy of a file within a disk unit.
DATA	Stores the numeric and string constants that are accessed by the program's READ statement(s).
DCLOSE	Closes disk files.
DEF FN	Defines and names a function written by the user.
DIM	Specifies the maximum values for array variable subscripts and allocates storage accordingly.
DIRECTORY	Displays the disk directory to the screen.
DLOAD	Loads the BASIC text file from the disk.
DOPEN	Declares a sequential or random access file for read or write.
DSAVE	Saves a BASIC text file to the disk.
END	Terminates program execution, closes all files, and returns to command level.
FOR NEXT	Allows a series of instructions to be performed in a loop a given number of times.
GET	Reads a character from a file into a variable.
GOSUB... RETURN	Branches to and returns from a subroutine.

BASIC COMMANDS

Command	Description
IF...THEN	Determines the direction of program flow based on the result returned by an expression.
INPUT	Allows input from the terminal during program execution.
INPUT#	Reads items from a sequential or random disk file and assigns them to program variables.
LET	Assigns the value of an expression to a variable.
LIST	Lists all or part of the program currently in memory to the active output device.
LOAD	Loads a file from external storage into memory.
NEW	Deletes the program currently in memory and clears all variables.
ON...GOSUB	Branches to one of several specified line numbers, depending on the value returned when an expression is evaluated.
OPEN	Establishes an I/O channel over the IEEE bus or internal devices.
POKE	Writes a byte into the memory location.
PRINT	Outputs data to the screen or a specified channel.
READ	Reads data from a DATA statement and assigns it to a variable.
RECORD	Used before GET#, INPUT# or PRINT# to position the record pointer in a random access file with DOS 2.0 or later versions.
REM	Allows explanatory remarks to be inserted in a program.
RENAME	Changes the name of a disk file.
RESTORE	Allows DATA statements to be reread from a specified point.

CBM™ 8000 SERIES BUSINESS COMPUTERS

BASIC COMMANDS

Command	Description
RUN	Executes the program currently in memory.
SAVE	Saves a BASIC program file on an external storage device.
SCRATCH	Deletes a disk file.
STOP	Terminates execution of a BASIC program.
SYS	Transfers control from BASIC to a machine language subprogram.
VERIFY	Compares the program in memory to a program on a storage device.
WAIT	Waits for a memory location to match a user-supplied mask.

LOGICAL OPERATORS

Operator	Description
AND	Logical And
OR	Logical Or
NOT	Logical Inversion

FORMATTING FUNCTIONS

Function	Description
TAB	Sets screen formatting
POS	Returns cursor column position
SPC	Sets screen spacing

STRING FUNCTIONS

Function	Description
LEFT\$	Returns left referenced substrings
RIGHT\$	Returns right referenced substrings
MID\$	Returns mid referenced substrings
CHR\$	Returns a character given a numeric code

STRING FUNCTIONS

Function	Description
ASC	Returns a numeric code given a character
LEN	Returns the length of a string
VAL	Converts a decimal value to a numeric string
STR\$	Converts a numeric string to a decimal value

SPECIAL VARIABLES

Variable	Description
TI	Retrieves time in 1/60 second increments
TI\$	Retrieves time in hours, minutes, and seconds format
ST	Returns status word for I/O operations
DS	Retrieves disk status (error number)
DS\$	Retrieves disk status (complete error message)

SCIENTIFIC FUNCTIONS

Function	Description
SGN	Returns sign
INT	Performs integer function
ABS	Performs absolute value
SQR	Performs square root
RND	Generates random number
SIN	Returns sine
COS	Returns cosine
TAN	Returns tangent
ATN	Returns arc tangent
LOG	Returns logarithmic base 10
EXP	Returns e^x

CBM™ 8000 SERIES BUSINESS COMPUTERS

The new Commodore 8000 series computers offer a wide screen display to show you up to 80-character lines of information. Text editing and report formatting are faster and easier with the new wide-screen display. The 8000 series also provides a resident Operating System with expanded functional capabilities. You can use BASIC on the 8000 computers in both interactive and program modes, with expanded commands and functions for arithmetic, editing, and disk file management. The CBM 8000 series computers are ideally suited for the computing needs of the business marketplace.

SCREEN

2000 character display, organized into twenty-five 80-column lines
128 ASCII, 128 graphic characters
8 x 8 dot matrix characters
Green phosphor screen
Brightness control
Line spacing: 1½ in Text Mode
1 in Graphics Mode

KEYBOARD

73-key typewriter style keyboard with graphic capabilities
Repeat key functional with all keys

MEMORY

CBM 8016: 16K (15359 net)
random access memory (RAM)
CBM 8032: 32K (31743 net)
random access memory (RAM)

POWER REQUIREMENTS

Volts: 110V
Cycles: 60 Hz
Watts: 100

SCREEN EDITING CAPABILITIES

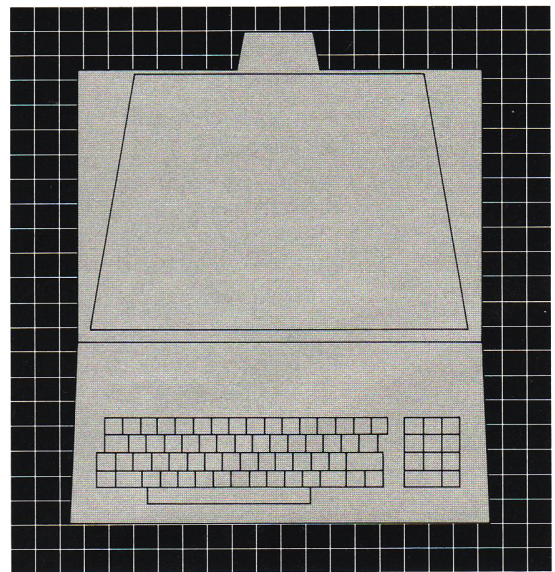
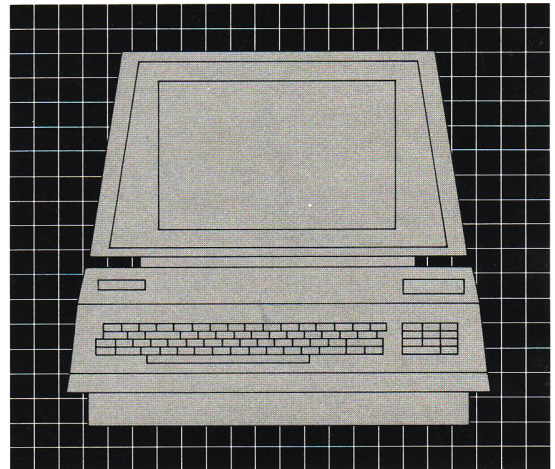
Full cursor control (up, down, right, left)
Character insert and delete
Reverse character fields
Overstriking
Return key sends entire line to CPU regardless of cursor position

INPUT/OUTPUT

Parallel port
IEEE-488 bus
2 cassette ports
Memory and I/O expansion connectors

FIRMWARE

18 K of ROM contains:
BASIC (version 4.0) with direct (interactive) and indirect (program) modes
9-digit floating binary arithmetic
Tape and disk file handling software



Scale: 1"

PHYSICAL SIZE

Height: 14" (35.6 cm)
Width: 16.5" (41.9 cm)
Depth: 18.5" (47 cm)
Shipping Weight: 50 pounds
(22.7 kg)



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